THE AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE

Combining The American Journal of Tropical Medicine
and The Journal of the National Malaria Society

VOLUME 3

EDITED BY

L. W. HACKETT

EDITORIAL BOARD

G. ROBERT COATNEY, *Chairman*

ERNEST CARROLL FAUST
HAROLD FARNSWORTH GRAY
WILLIAM McD. HAMMON
HERBERT G. JOHNSTONE
EDWIN H. LENNETTE
HARRY MOST
LLOYD ROZEBOOM

BALTIMORE, MD.
THE WILLIAMS AND WILKINS COMPANY
1954

CONTENTS

JANUARY, No. 1

An investigation into hyaluronidase as a factor in the mechanism of tissue invasion by *Endamoeba histolytica*, James N. DeLamater, Joseph B. Michaelson, Frances A. Hallman and Herbert Blumenthal 1
Immunity to certain arthropod-borne viruses among indigenous residents of Egypt. K. C. Smithburn, R. M. Taylor, Farag Rizk and Abdul Kader 9
Induced virus infections in man by the Egypt isolates of West Nile virus. Chester M. Southam and Alice E. Moore 19
Report of clinical case of West Nile virus infection probably acquired in the laboratory. P. K. Hamilton and R. M. Taylor 51
Eastern equine encephalomyelitis in Wisconsin. R. P. Hanson, G. R. Scott, D. Ferris and Elizabeth Upton 54
Rabies street virus strains in the Syrian hamster. Reginald L. Reagan, Ninalee Strand and A. L. Brueckner 57
A comparison of helminthic and protozoan infections in two Egyptian villages two years after the installation of sanitary improvements in one of them. Asa C. Chandler 59
Problems in tropical public health among workers at a jute mill near Calcutta. I. Malaria in the labor population. Eli Chernin 74
Problems in tropical public health among workers at a jute mill near Calcutta. II. A study of intestinal parasites in the labor force. Eli Chernin 94
Problems in tropical public health among workers at a jute mill near Calcutta. III. Intestinal parasites in the European supervisory staff and their foodhandler servants. Eli Chernin 107
Sparganosis in Korea. Paul P. Weinstein, Henry J. Krawczyk and James H. Peers 112
Intestinal parasites in food handlers returned from Korea. N. E. Wilks and B. Sonnenberg 131
The penetration-time for the cercariae of *Schistosoma japonicum*. Chiatung Pan, R. R. Williams and L. S. Ritchie 136
Observations on portal hypertension among schistosomiasis patients with relatively insignificant complaints. Eddy D. Palmer and Edward J. Jahnke, Jr. 139
Murray Valley encephalitis: a survey of suspected mosquito vectors. W. C. Reeves, E. L. French, E. N. Marks and N. E. Kent 147
Notes on the biting response of tsetse flies. V. G. Dethier 160
On the toxicity of scorpion venom. W. H. A. Schöttler 172
The survival of *Bacterium tularense* in lice and louse feces. Roger D. Price 179
Results of laboratory screening tests of chemical compounds for molluscicidal activity. II. Compounds of mercury. Howard W. Bond and M. O. Nolan 187
Disinsectization of aircraft by residual deposits of insecticides. David Pimentel and J. W. Klock 191
A simple technic for obtaining egg and serum slants free of bubbles. Norman D. Levine and William C. Marquardt 195
Correspondence 197
Books received 198
Book reviews: *The Natural History of Infectious Disease*, by Burnet; *African Highway —The Battle for Health in Central Africa*, by Watson; *Dermatology in General Practice*, by Swartz; *First International Symposium on Yaws Control*, Bangkok, 1952, WHO Monograph Series; *Insecticides*, WHO Manual; *Toxic Hazards of Certain Pesticides to Man*, by Barnes, WHO; *Joint FAO/WHO Expert Committee*

on Brucellosis, Second Report, FAO and WHO, Technical Report Series; *Expert Committee on Bilharziasis, First Report,* WHO 199

MARCH, No. 2

Our future? William A. Sodeman. (Presidential Address) 203
Problems in the control of schistosomiasis. Craig Lecture. Henry E. Meleney 209
The duration in the human host of infections with a Panama strain of *Plasmodium falciparum*. Geoffrey M. Jefferey and Don E. Eyles 219
Antimalarial activity of dihydrotriazines. R. I. Hewitt, W. S. Wallace, A. Gumble, E. White and J. H. Williams 225
Factors affecting passive immunity in blood-induced *Lophurae* malaria of the chicken. Thomas M. Schwink 232
The suppressive treatment of malaria in a rural village with primaquine and Plaquenil. Herbert C. Clark 250
Antibiotic synergism in amebiasis. Hamilton H. Anderson, Thomas L. Nelson, Arseny K. Hrenoff and Charles H. Fish 254
Arsthinol (Balarsen). A new trivalent arsenical for the treatment of intestinal amebiasis and other intestinal protozoa. Harry Most, Frederik Van Assendelft, Jay Miller, Max B. Milberg and Edward B. Grossman 262
Epidemiological study of *Endamoeba histolytica* and other intestinal parasites in the New Hope community of Tennessee. A restudy after 21 years. Frances E. Jones, Clinton S. Smith and Don E. Eyles 266
The effect of cold temperatures on the viability of cysts of *Endamoeba histolytica*. Bernard Halpern and Ralph E. Dolkart 276
Human epidemic in Colombia caused by the Venezuelan equine encephalomyelitis virus. C. Sanmartin-Barberi, H. Groot and Ernesto Osorno-Mesa 283
The incidence of *Shigella* organisms in a group of Egyptian village children. Thomas M. Floyd 294
Mycetoma of the hand and arm caused by *Madurella*. Report of a case with a review of the literature. Morris Moore 303
Sputum examination in the diagnosis of bilharziasis of the lungs. Gamal Nor El Din and Ibrahim El Baz 326
Suggestions concerning an index of experimental filaria infection in mosquitoes. Leo Kartman 329
Problems in tropical public health among workers at a jute mill near Calcutta. IV. Hemoglobin values and their relation to the intensity of hookworm infections in the labor force. Eli Chernin 338
Problems in tropical public health among workers at a jute mill near Calcutta. V. Eosinophile levels and their relation to intestinal helminthiasis in the labor force. Eli Chernin 348
Isolation of *Rickettsia tsutsugamushi* from rodents from Thailand. Robert Traub, Phyllis T. Johnson, Marie L. Miesse and Robert E. Elbel 356
Natural occurrence of tularemia in the lone star tick, *Amblyomma americanum* (Linn.), and in dogs in Arkansas. Ernest L. Calhoun 360
The occurrence and movement of *Periplaneta americana* (L.) within an urban sewerage system. H. F. Schoof and R. E. Siverly 367
Dung beetles (Coleoptera, Scarabaeidae) and other insects in relation to human feces in a hookworm area of southern Georgia. Albert Miller 372
Books received 391
Book reviews: Traité de Zoologie, by Grassé; Clinical Tropical Diseases, by Adams and Maegraith; A Guide to Human Parasitology for Medical Practitioners, by Blacklock and Southwell; Textbook of Public Health, by Frazer; Acute Infectious

Hemorrhagic Fevers and Mycotoxicoses in the Union of Soviet Socialist Republics, U. S. Army; The Housefly, by West; World Directory of Medical Schools, WHO.. 392

MAY, NO. 3

A half century of tropical medicine. Quentin M. Geiman 397

SYMPOSIUM: GLOBAL INTEREST IN TROPICAL MEDICINE

Economic interest in tropical medicine. Stacy May 412
Cultural aspects of tropical medicine. Jacques May 422
Political implications of global tropical medicine. Frank P. Corrigan 431

Unfinished business in tropical medicine. Henry Edmund Meleney. Presidential address, American Academy of Tropical Medicine 434
Intestinal protozoa, helminths and bacteria in Tahiti, French Oceania. John F. Kessel, Margaret Parrish and Glenn Parrish 440
Modifications in virulence of a strain of *Toxoplasma bondii* by passage in various hosts. Leon Jacobs and Marjorie L. Melton 447
A comparison of the antimalarial effects of suppressive doses of chloroquine, amodiaquin, and pyrimethamine. Max J. Miller 458
The therapeutic effect on a group of sleeping sickness patients of a single injection of 3854 R.P. (Mel B Friedheim—Arsobal spécia). Augusto R. Pinto 464
Antibodies against Col-SK virus in Mexican sera. Claus W. Jungeblut and Gonzalo Bautista, Jr. 466
Isolation of *Shigella* and *Salmonella* organisms from Nile fish. Thomas M. Floyd and George B. Jones 475
Erythrocyte sensitizing substances from five strains of leptospirae. R. Shih-Man Chang and Dorothy E. McComb 481
Complement fixation test with a triple antigen for syphilis, tuberculosis, leprosy or Chagas' disease in blood banks. José Oliveira de Almeida, José Lima Pedreira de Freitas and Helvecio Brandão 490
Anthelmintic treatment of uncinariasis. Henry P. Carr, Manuel E. Pichardo Sardá and Nadin Aude Nuñez 495
The efficacy of piperazine compounds against *Syphacia obvelata*, a pinworm of mice. H. W. Brown, K. F. Chan and K. L. Hussey 504
The effect of *Schistosoma mansoni* infections on liver function in mice. I. Amino acid oxidase and ammonia. Jack Daugherty, Seymour Garson and Donald Heyneman.. 511
Molluscicide operations in an endemic area of schistosomiasis in the Dominican Republic. Charles M. Vaughn, Louis Olivier, James R. Hendricks and Thomas T. Mackie 518
Morphologic variations of larvae of the *scutellaris* group of *Aedes* (Diptera, Culicidae) in Polynesia. Leon Rosen and Lloyd E. Rozeboom 529
Urban fly dispersion studies with special reference to movement pattern of *Musca domestica*. H. F. Schoof and R. E. Siverly 539
Transactions of the American Society of Tropical Medicine and Hygiene. Second annual meeting, Louisville, Kentucky, November 12–14, 1953 548
Minutes of the twentieth annual business meeting of the American Academy of Tropical Medicine 577
Books received 580
Book reviews: *The Conquest of Plague*, by Hirst; *Global Epidemiology*, Vol. 3. The Near and Middle East by Simmons, Whayne, Anderson, Horack and Thomas; *Expert Committee on Plague, Second Report*, WHO Technical Report Series; *Atlas of Diseases*, Department of Medical Geography, American Geographical Society; *Sal-*

monellae and Shigellae, by Weil and Saphra; *W.H.O. Expert Committee on Leprosy, First Report*, Technical Report Series; *Respiratory Diseases and Allergy*, by Smul.. 580

JULY, No. 4

Hemorrhagic fever. I. Epidemiology. Irvine H. Marshall..... 587
Hemorrhagic fever. II. Prevention. Samuel C. Dews and Irvine H. Marshall..... 601
Treatment of scrub typhus in the Pescadores Islands with chloramphenicol, aureomycin and terramycin, Anthony P. Prezyna, Chang Teh-Ling, Wang Tsu-Lin, William J. Dougherty and Harry B. Bond..... 608
An amebiasis survey in a Veterans Administration Hospital, Chamblee, Georgia, with comparison of technics. M. M. Brooke, Alan W. Donaldson and Eugene Brown... 615
Effects of growth *in vitro* with selected microbial associates and of encystation and excystation, on the virulence of *Endamoeba histolytica* for guinea pigs. Bruce P. Phillips and Ida Louise Bartgis..... 621
The Donaldson strain of malaria. I. History and characteristics of the infection in man. Geoffrey M. Jeffery, Martin D. Young and Aimee Wilcox..... 628
The Donaldson strain of malaria. 2. Morphology of the erythrocytic parasites. Aimee Wilcox, Geoffrey M. Jeffery and Martin D Young..... 638
The Donaldson strain of malaria. 3. The infection in the mosquito. Geoffrey M. Jeffery..... 651
The Donaldson strain of malaria. 4. An evaluation and status. Geoffrey M. Jeffery and Martin D. Young..... 660
The effect of pyrimethamine on the BI strain of *Plasmodium gallinaceum*. Joseph Greenberg, Helen Louise Trembley and G. Robert Coatney..... 665
Relationship between time of administration, dose, and prophylactic activity of pyrimethamine on sporozoite-induced *Plasmodium gallinaceum* infections. Joseph Greenberg, G. Robert Coatney and Helen Louise Trembley..... 672
Studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. I. Infections in avian hosts. C. M. Herman, W. C. Reeves, H. E. McClure, E. M. French and W. McD. Hammon..... 676
Studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. II. Infections in mosquito vectors. W. C. Reeves, R. C. Herold, L. Rosen, B. Brookman and W. McD. Hammon..... 696
Studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. III. The comparative vector ability of some of the local culicine mosquitoes. L. Rosen and W. C. Reeves..... 704
Comparative study of chloroquine and amodiaquin in the treatment of giardiasis. Fernando Lamadrid-Montemayor..... 709
The use of chloramphenicol in relapsing fever. Sister Mary Mercy Hirschboeck, M.D. 712
Treatment of schistosomiasis mansoni with antimony-a,a'-dimercapto-potassium succinate (TWSb). Ernst A. H. Friedheim, José R. da Silva, and Amilcar V. Martins..... 714
The value of different antigens in the diagnosis of chronic bilharziasis by the skin and complement fixation tests. A. Michael Davies and M. Eliakim..... 728
Human filariasis in the Marquesas Islands. Leon Rosen..... 742
Treatment of experimental trichinosis in mice with piperazine hydrochloride. K. F. Chan and H. W. Brown..... 746
Treatment of *Ascaris lumbricoides* infections with piperazine citrate. H. W Brown and M. M. Sterman..... 750
Experiments in the therapy of human ascariasis. Mark T. Hoekenga..... 755
Investigations on eggs of helminths, with special reference to the epidemiology of hydatid disease. Velarde Pérez-Fontana..... 762
The effect of treatment and sanitation on hookworm infection in Cholburi Province (Central Thailand). Elvio H. Sadun, S. Vajrasthira and C. Maiphoom..... 764

Correspondence 773
Books received 774
Book reviews: *Advances in the Control of Zoonoses*, WHO; *Bacterial Genetics*, by Braun; *Anopheline Mosquitoes of the Indo-Australian Region*, by Bonne-Wepster; *World Distribution of Rickettsial Diseases, Tick-borne and Mite-borne Forms*, Am. Geographical Soc.; *Modern Concepts of Communicable Disease*, by Greenberg; *Gesundsheitsbüchlein für die Tropen*, by Von Haller; *Eleven Blue Men*, by Roueché 775

SEPTEMBER, No. 5

An outbreak of malaria in California, 1952–1953. Rosemary Brunetti, Roy F. Fritz and Arthur C. Hollister, Jr. 779
Malaria control at Lake Vera, California, in 1952–53. R. E. Fontaine, H. F. Gray and T. Aarons 789
The first large area in the tropical zone to report malaria eradication: north-central Venezuela. Arnoldo Gabaldon and Arturo Luis Berti 793
Reappearance of *Anopheles darlingi* Root in a controlled area of British Guiana's coastlands. G. Giglioli and L. J. Charles 808
The role of insecticides in the TVA malaria control program. F. E. Gartrell and G. F. Ludvik 817
Susceptibility of *Anopheles quadrimaculatus* and *A. albimanus* to domestic and foreign strains of *Plasmodium vivax*. Geoffrey M. Jeffery, Robert W. Burgess and Don E. Eyles 821
Milk diet and human malaria. Max J. Miller 825
The suppressive treatment of naturally acquired malaria in a rural village with pyrimethamine (Daraprim). Herbert C. Clark 831
The treatment of acute malaria with single oral doses of amodiaquin, chloroquine, hydroxychloroquine and pyrimethamine. Mark T. Hoekenga 833
Symbiosis in cultures of *Endamoeba histolytica* and single species of bacteria. Harry D. Baernstein, Charles W. Rees and Lucy V. Reardon 839
Trial of diallyl-diethyl-aminoethyl phenol dihydrochloride (Camoform) in human amebiasis. Mark T. Hoekenga and Dorothy L. Batterton 849
The effect of Puromycin on six species of *Trypanosoma* in mice. Eleanor Johnson Tobie 852
Variations in the dye test for toxoplasmosis. Leon Jacobs and M. Katherine Cook 860
Some recent studies in Brazilian pemphigus. João Paulo Vieira, Mario Fonzari and Leon Goldman 868
The transmission of dengue by *Aedes polynesiensis* Marks. Leon Rosen, Lloyd E. Rozeboom, Benjamin H. Sweet and Albert B. Sabin 878
Murine typhus fever in southwest Georgia, January 1945–January 1953. William H. Stewart and Virginia D. Hines 883
Triatominae in experimental transmission of plague. Charles T. Ames, Stuart F. Quan and Raymond E. Ryckman 890
Occurrence of *Histoplasma capsulatum* and other human pathogenic molds in Panamanian soil. Libero Ajello 897
Diagnosis of schistosomiasis by complement-fixation. Elmer F. Chaffee, Preston M. Bauman and John J. Shapilo 905
Schistosomiasis mansoni in Puerto Rican soldiers. Harry A. Horstman, Jr., Elmer F. Chaffee and Preston M. Bauman 914
Use of a hexylresorcinol tablet in the enema treatment of whipworm infection. Rodney C. Jung 918
DDT resistance in Egyptian body lice. Herbert S. Hurlbut, Robert L. Peffly and Abdel Aziz Salah 922
Privies as a source of fly production in an urban area. H. F. Schoof and R. E. Siverly 930
A survey of 200 cases of snake-bite in Virginia. John Thornton Wood 936

Books received 944
Book reviews: *Amebiasis*, by Faust; *An Introduction to Pathology and Bacteriology for Medical Students in the Tropics*, by Smith and Kirk; *Manual of Clinical Mycology*, by Conant, Smith, Baker, Callaway, and Martin; *Rh-Hr Blood Types*, by Wiener; *An Rh-Hr Syllabus*, by Wiener; *Influenza: A Review of Current Research*, by Various Authors; *Expert Committee on Poliomyelitis, First Report*, WHO 945
Correction 950

NOVEMBER, No. 6

Fifty years of American medicine on the Isthmus of Panama. Richard Minton, Sigfrid Muller and Gene Cohen 951
Nutrition problems in tropical areas. William H. Adolph 964
The six-year Philippine-American malaria control program. Antonio Ejercito, A. D. Hess and Aubrey Willard 971
Effect of blood group on the prepatent period of inoculated *vivax* malaria. Albert V. Myatt, G. Robert Coatney, Thomas Hernandez and Elizabeth Guinn 981
The role of *Endamoeba histolytica* and *Trichuris trichiura* in bloody diarrhea of children in Puerto Rico. Bernard T. Garfinkel, Milton Alvarez and Robert Oseasohn 985
The prevalence of *Endamoeba histolytica* and other intestinal parasites in a selected urban area. Don E. Eyles and Frances E. Jones 988
The relation of the number of cysts in the stool inoculum to the incidence of positive cultures of *Endamoeba histolytica*. Morton H. Edelman and Clifford L. Spingarn 995
A comparative study of fumagillin and oxytetracycline in amebiasis. John H. Killough and Gordon B. Magill 999
An electron microscope study of *Toxoplasma*. Paul V. Gustafson, Hilda D. Agar and Dorothy I. Cramer 1008
Spontaneous toxoplasmosis in the whiteface monkey, *Cebus capucinus*, in Panama. Enid de Rodaniche 1023
Susceptibility of the marmoset, *Marikina geoffroyi*, and the night monkey, *Aotus zonalis*, to experimental infection with *Toxoplasma*. Enid de Rodaniche 1026
Pathology of *Dientamoeba fragilis* infections of the appendix. Robert B. Burrows, Martin A. Swerdlow, John K. Frost and Claude K. Leeper 1033
Chronic pneumonic plague in *Macaca mulatta*. J. P. Ransom and A. P. Krueger 1040
Histoplasmin sensitivity in American Samoa. A. M. Earle and F. S. Brenneman 1055
A theory to explain the geographic variations in the prevalence of histoplasma sensitivity. L. D. Zeidberg 1057
Alcohol-acid-fast substance in eggs of *S. mansoni*. Francisco Lichtenberg and Marcos Lindenberg 1066
Polyvalent antivenin in the treatment of experimental snake venom poisoning. Sherman A. Minton, Jr. 1077
Antihistamine, ACTH, cortisone, hydrocortisone and anesthetics in snake bite. W. H. A. Schöttler 1083
Studies on cockroaches in a municipal sewerage system. R. B. Eads, F. J. von Zuben, S. E. Bennett, and O. L. Walker 1092
Books received 1099
Book reviews: *Distribution of Rickettsial Diseases, III. Tick and Mite Vectors*, by American Geographic Society; *Smallpox Vaccination, a Survey of Recent Legislation*, WHO; *Expert Committee on Rabies, Second Report*, WHO; *Les Animaux de Laboratoire*, by Dumas; *Expert Committee on Malaria, Fifth Report*, WHO; *Treponematoses, A World Problem*, by Guthe and Wilcox 1099
Index 1103

INDEX

A

AARONS, T., *see* FONTAINE, R. E. *et al.*, 789

ACTH, antihistamine, cortisone, hydrocortisone and anesthetics in snake bite, 1083

ADOLPH, W. H., Nutrition problems in tropical areas, 964

Aedes polynesiensis, the transmission of dengue by, 878

——, *scutellaris* group of, (Diptera, Culicidae), morphologic variations of larvae of, in Polynesia, 529

AGAR, H. D., *see* GUSTAFSON, P. V. *et al.*, 1008

Aircraft, disinsectization of, by residual deposits of insecticides, 191

AJELLO, L., Occurrence of *Histoplasma capsulatum* and other human pathogenic molds in Panamanian soil, 897

Alcohol-acid-fast substance in eggs of *S. mansoni*, 1066

ALMEIDA, J. O. DE, FREITAS, J. L. P. DE, and BRANDÃO, H., Complement fixation test with a triple antigen for syphilis, tuberculosis, leprosy or Chagas' disease in blood banks, 490

ALVAREZ, M., *see* GARFINKEL, B. T. *et al.*, 985

Amblyomma americanum, and in dogs in Arkansas; natural occurrence of tularemia in the lone star tick, 360

Amebiasis, a comparative study of fumagillin and oxytetracycline in, 999

——, antibiotic synergism in, 254

——, intestinal, and other intestinal protozoa; Arsthinol (Balarsen). A new trivalent arsenical for the treatment of, 262

——, survey in a Veterans Administration Hospital, Chamblee, Georgia, with a comparison of technics, 615

——, trial of diallyl-diethyl-aminoethyl phenol dihydrochloride (Camoform) in human, 849

American medicine, fifty years of, on the Isthmus of Panama, 951

American Samoa, histoplasmin sensitivity in, 1055

American Society of Tropical Medicine and Hygiene, Transactions of. Second Annual meeting, Louisville, Kentucky, November 12–14, 1953, 548

AMES, C. T., QUAN, S. F., and RYCKMAN, R. E., Triatominae in experimental transmission of plague, 890

Amodiaquin, chloroquine and pyrimethamine, a comparison of the antimalarial effects of suppressive doses of, 458

——, chloroquine, hydroxychloroquine and pyrimethamine, the treatment of acute malaria with single oral doses of, 833

——, comparative study of chloroquine and, in the treatment of giardiasis, 709

ANDERSON, H. H., NELSON, T. L., HRENOFF, A. K., and FISH, C. H., 254

Anesthetics, antihistamine, ACTH, cortisone, hydrocortisone and, in snake bite, 1083

Anopheles albimanus, susceptibility of *Anopheles quadrimaculatus* and, to domestic and foreign strains of *Plasmodium vivax*, 821

Anopheles darlingi, reappearance of, in a controlled area of British Guiana's coastlands, 808

Anopheles quadrimaculatus and *A. albimanus*, susceptibility of to domestic and foreign strains of *Plasmodium vivax*, 821

Anthelmintic treatment of uncinariasis, 495

Antiobiotic synergism in amebiasis, 254

Antihistamine, ACTH, cortisone, hydrocortisone and anesthetics in snake bite, 1083

Antimalarial effects of suppressive doses of chloroquine, amodiaquin, and pyrimethamine, a comparison of the, 458

Antimony-a,a′-dimercapto-potassium succinate (TWSb), treatment of schistosomiasis mansoni with, 714

Antivenin, polyvalent, in the treatment of experimental snake venom poisoning, 1077

Aotus zonalis, the night monkey and the marmoset *Marikina geoffroyi*, susceptibility of, to experimental infection with *Toxoplasma*, 1026

Appendix, pathology of *Dientamoeba fragilis* infections of the, 1033

Arkansas, natural occurrence of tularemia in the lone star tick, *Amblyomma americanum*, and in dogs in, 360
Arsthinol (Balarsen). A new trivalent arsenical for the treatment of intestinal amebiasis and other intestinal protozoa, 262
Ascariasis, human, experiments in the therapy of, 755
Ascaris lumbricoides infections, treatment of, with piperazine citrate, 750
Aureomycin, chloramphenicol and terramycin, treatment of scrub typhus in the Pescadores Islands with, 608
Avian malaria, studies on, in vectors and hosts of encephalitis in Kern County, California. I. Infections in avian hosts, 676
——. II. Infections in mosquito vectors, 696
——. III. The comparative vector ability of some of the local culicine mosquitoes, 704

B

Bacteria, intestinal protozoa, helminths and, in Tahiti, French Oceania, 440
Bacterium tularense, survival of, in lice and louse feces, 179
BAERNSTEIN, H. D., REES, C. W., and REARDON, LUCY V., Symbiosis in cultures of *Endamoeba histolytica* and single species of bacteria, 839
BARTGIS, IDA L., *see* PHILLIPS, B. P. *et al.*, 621
BATTERTON, DOROTHY L., *see* HOEKENGA, M. T., 849
BAUMAN, P. M., *see* CHAFFEE, E. F. *et al.*, 905
——, *see* HORSTMAN, H. A., JR. *et al.*, 914
BAUTISTA, G. JR., *see* JUNGEBLUT, C. W., 466
BENNETT, S. E., *see* EADS, R. B. *et al.*, 1092
BERTI, A. L., *see* GABALDON, A., 793
Bilharziasis, chronic, the value of different antigens in the diagnosis of, by the skin and complement fixation tests, 728
—— of the lungs, sputum examination in the diagnosis of, 326
Blood banks, complement fixation test with a triple antigen for syphilis, tuberculosis, leprosy, or Chagas' disease in, 490
—— group, the effect of, on the prepatent period of inoculated *vivax* malaria, 981
BLUMENTHAL, H., *see* DELAMATER, J. N. *et al.*, 1
BOND, H. B., *see* PREZYNA, A. P. *et al.*, 608
BOND, H. W., and NOLAN, M. O., Results of laboratory screening tests of chemical compounds for molluscicidal activity. II. Compounds of mercury, 187
Book Reviews
ADAMS and MAEGRAITH, Clinical Tropical Diseases, 393
Dept. of Medical Geography, American Geographical Society, Atlas of Diseases, first 10 maps, 582
Am. Geographical Soc., Map of World Distribution of Rickettsial Diseases, Tick-borne and Mite-borne Forms, 776
——, Distribution of Rickettsial Diseases III. Tick and Mite Vectors, 1099
BARNES, Toxic Hazards of Certain Pesticides to Man, WHO, 201
BLACKLOCK and SOUTHWELL, A Guide to Human Parasitology for Medical Practitioners, 394
BONNE-WEPSTER, Anopheline Mosquitoes of the Indo-Australian Region, 776
BRAUN, Bacterial Genetics, 775
BURNET, Natural History of Infectious Disease, 199
CONANT, SMITH, BAKER, CALLAWAY, and MARTIN, Manual of Clinical Mycology, 946
DUMAS, Les Animaux de Laboratoire, 1100
FAO/WHO Expert Committee on Brucellosis, 2nd Report, 201
FAUST, Amebiasis, 945
FRAZER, Textbook of Public Health, 394
GRASSÉ, Traité de Zoologie, 392
GREENBERG, Modern Concepts of Communicable Disease, 777
GUTHE and WILLCOX, Treponematoses, a World Problem, 1101
HIRST, The Conquest of Plague, 580
ROUECHÉ, Eleven Blue Men, 778
SIMMONS, WHAYNE, ANDERSON, HORACK and THOMAS, Global Epidemiology, Vol. 3. The Near and Middle East, 581
SMITH and KIRK, An Introduction to Pathology and Bacteriology, for Medical Students in the Tropics, 945

SWARTZ, Dermatology in General Practice, 200
SMUL, Respiratory Diseases and Allergy, 584
U. S. Army, Acute Infectious Hemorrhagic Fevers and Mycotoxicoses in the Union of Soviet Socialist Republics, 395
Various authors, Influenza: A Review of Current Research, 948
VON HALLER, Gesundsheitsbüchlein für die Tropen, 778
WATSON, African Highway—The Battle for Health in Central Africa, 200
WEST, The Housefly, 395
WEIL and SAPHRA, Salmonellae and Shigellae, 583
WHO, Advances in the Control of Zoonoses, 775
——, Expert Committee on Bilharziasis, 1st Report, 202
Technical Report Series, WHO Expert Committee on Leprosy, First Report, 584
WHO, Expert Committee on Malaria, Fifth Report, 1101
——, Expert Committee on Rabies, Second Report, 1100
—— Technical Report Series, Expert Committee on Plague, Second Report, 581
——, Expert Committee on Poliomyelitis, First Report, 948
——, 1st International Symposium on Yaws Control, Bangkok, 1952, 201
——, Insecticides, 201
——, Smallpox Vaccination, a Survey of Recent Legislation, 1100
——, World Directory of Medical Schools, 395
WIENER, Rh-Hr Blood Types, 947
——, An Rh-Hr Syllabus, 947
Books received, 198, 391, 580, 774, 944, 1099
BRANDÃO, H., *see* ALMEIDA, J. O. DE *et al.*, 490
Brazilian pemphigus, some recent studies in, 868
British Guiana's coastlands, reappearance of *Anopheles darlingi* in a controlled area of, 808
BROOKE, M. M., DONALDSON, A. W., BROWN, E., An amebiasis survey in a Veterans Administration Hospital, Chamblee, Georgia, with comparison of technics, 615
BROOKMAN, B., *see* REEVES, W. C. *et al.*, 696
BROWN, E., *see* BROOKE, M. M. *et al.*, 615
BROWN, H. W., *see* CHAN, K. F. *et al.*, 746
——, CHAN, K. F., and HUSSEY, K. L., The efficacy of piperazine compounds against *Syphacia obvelata*, a pinworm of mice, 504
——, and STERMAN, M. M., Treatment of *Ascaris lumbricoides* infections with piperazine citrate, 750
BRUECKNER, A. L., *see* REAGAN, R. L. *et al.*, 57
BRUNETTI, ROSEMARY, FRITZ, R. F., and HOLLISTER, A. C., JR., An outbreak of malaria in California, 1952–1953, 779
BURGESS, R. W., *see* JEFFERY, G. M. *et al.*, 821
BURROWS, R. B., SWERDLOW, M. A., FROST, J. K., and LEEPER, C. K., Pathology of *Dientamoeba fragilis* infections of the appendix, 1033

C

Calcutta, problems in tropical public health among workers at a jute mill near. I. Malaria in the labor population, 74
——. II. A study of intestinal parasites in the labor force, 94
——. III. Intestinal parasites in the European supervisory staff and their food-handler servants, 107
——. IV. Hemoglobin values and their relation to the intensity of hookworm infections in the labor force, 338
——. V. Eosinophile levels and their relation to intestinal helminthiasis in the labor force, 348
CALHOUN, ERNEST L., Natural occurrence of tularemia in the lone star tick, *Amblyomma americanum* (Linn.), and in dogs in Arkansas, 360
California, an outbreak of malaria in, 1952–1953, 779
——, Malaria control at Lake Vera, in 1952–53, 789
Camoform, trial of diallyl-diethyl-aminoethyl phenol dihydrochloride, in human amebiasis, 849

CARR, H. P., SARDÁ, M. E. P. and NUÑEZ, N. A., Anthelmintic treatment of uncinariasis, 495
Cebus capucinus, the whiteface monkey, spontaneous toxoplasmosis in, in Panama, 1023
CHAFFEE, E. F., BAUMAN, P. M., and SHAPILO, J. J., Diagnosis of schistosomiasis by complement-fixation, 905
——, *see* HORSTMAN, H. A., JR. *et al.*, 914
Chagas' disease or leprosy, syphilis, tuberculosis in blood banks, complement fixation test with a triple antigen for, 490
Chamblee, Georgia, an amebiasis survey in a Veterans Administration Hospital, with a comparison of technics, 615
CHAN, K. F., and BROWN, H. W., Treatment of experimental trichinosis in mice with piperazine hydrochloride, 746
——, *see* BROWN, H. W. *et al.*, 504
CHANDLER, A. C., A comparison of helminthic and protozoan infections in two Egyptian villages two years after the installation of sanitary improvements in one of them, 59
CHANG, R. S-M and McCOMB, D. E., Erythrocyte sensitizing substances from five strains of leptospirae, 481
CHARLES, L. J., *see* GIGLIOLI, G., 808
CHERNIN, E., Problems in tropical public health among workers at a jute mill near Calcutta. I. Malaria in the labor population, 74
——. II. A study of intestinal parasites in the labor force, 94
——. III. Intestinal parasites in the European supervisory staff and their food-handler servants, 107
——. IV. Hemoglobin values and their relation to the intensity of hookworm infections in the labor force, 338
——. V. Eosinophile levels and their relation to intestinal helminthiasis in the labor force, 348
Chloramphenicol, aureomycin and terramycin, treatment of scrub typhus in the Pescadores Islands with, 608
——, the use of, in relapsing fever, 712
Chloroquine, amodiaquin, and pyrimethamine, a comparison of the antimalarial effects of suppressive doses of, 458
—— and amodiaquin, comparative study of, in the treatment of giardiasis, 709
——, hydroxychloroquine, amodiaquin and pyrimethamine, the treatment of acute malaria with single oral doses of, 833
Cholburi Province, the effect of treatment and sanitation on hookworm infection in, (Central Thailand), 764
CLARK, H. C., The suppressive treatment of malaria in a rural village with primaquine and Plaquenil, 250
——, The suppressive treatment of naturally acquired malaria in a rural village with pyrimethamine (Daraprim), 831
COATNEY, G. R , *see* GREENBERG, J. *et al.*, 665
——, *see* GREENBERG, J. *et al.*, 672
——, *see* MYATT, A. V. *et al.*, 981
Cockroaches, studies on, in a municipal sewerage system, 1092
COHEN, G., *see* MINTON, R. *et al.*, 951
Cold temperatures, the effect of, on the viability of cysts of *Endamoeba histolytica*, 276
Colombia, human epidemic in, caused by the Venezuelan equine encephalomyelitis virus, 283
Col-SK virus, antibodies against, in Mexican sera, 466
COOK, M. KATHERINE, *see* JACOBS, L., 860
Correspondence, 197, 773
CORRIGAN, F. P., Political implications of global tropical medicine, 431
Cortisone, ACTH, antihistamine, hydrocortisone and anesthetics in snake bite, 1083
CRAMER, D. I., *see* GUSTAFSON, P. V. *et al.*, 1008
Culicine mosquitoes, studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. III The comparative vector ability of some of the local, 704

D

DA SILVA, J. R., *see* FRIEDHEIM, E. A. H. *et al.*, 714
Daraprim, the suppressive treatment of naturally acquired malaria in a rural village with pyrimethamine, 831
DAUGHERTY, J, GARSON, S., and HEYNEMAN, D., The effect of *Schistosoma mansoni* infections on liver function in mice. I. Amino acid oxidase and ammonia, 511

DAVIES, A. M., and ELIAKIM, M., The value of different antigens in the diagnosis of chronic bilharziasis by the skin and complement fixation tests, 728
DDT resistance in Egyptian body lice, 922
DE RODANICHE, E., Spontaneous toxoplasmosis in the whiteface monkey, *Cebus capucinus*, in Panama, 1023
——, Susceptibility of the marmoset, *Marikina geoffroyi*, and the night monkey, *Aotus zonalis*, to experimental infection with *Toxoplasma*, 1026
DELAMATER, J. N., MICHAELSON, J. B., HALLMAN, FRANCES A., and BLUMENTHAL, H., An investigation into hyaluronidase as a factor in the mechanism of tissue invasion by *Endamoeba histolytica*, 1
Dengue, the transmission of, by *Aedes polynesiensis*, 878
DEWS, S. C., and MARSHALL, I. H., Hemorrhagic fever. II. Prevention, 601
Diallyl-diethyl-aminoethyl phenol dihydrochloride (Camoform), trial of, in human amebiasis, 849
Diarrhea, bloody, the role of *Endamoeba histolytica* and *Trichuris trichiura* in, of children in Puerto Rico, 985
Dientamoeba fragilis infections, pathology of, of the appendix, 1033
Dihydrotriazines, antimalarial activity of, 225
DOLKART, R. E., *see* HALPERN, B., 276
Dominican Republic, molluscicide operations in an endemic area of schistosomiasis in the, 518
DONALDSON, A. W., *see* BROOKE, M. M. *et al.*, 615
Donaldson strain of malaria. I. History and characteristics of the infection in man, 625
——. II. Morphology of the erythrocytic parasites, 638
——. III. The infection in the mosquito, 651
——. IV. An evaluation and status, 660
DOUGHERTY, W. J., *see* PREZYNA, A. P. *et al.*, 608
Dung beetles (Coleoptera, Scarabaeidae) and other insects in relation to human feces in a hookworm area of southern Georgia, 372

E

EADS, R B, VONZUBEN, F. J., BENNETT, S. E., and WALKER, O. L., Studies on cockroaches in a municipal sewerage system, 1092
EARLE, A. M. and BRENNEMAN, F. S., Histoplasmin sensitivity in American Samoa, 1055
Eastern equine encephalomyelitis in Wisconsin, 54
EDELMAN, M. H. and SPINGARN, C. L., The relation of the number of cysts in the stool inoculum to the incidence of positive cultures of *Endamoeba histolytica*, 995
Egypt, immunity to certain arthropod-borne viruses among indigenous residents of, 9
—— isolates of West Nile virus, induced virus infections in man by, 19
Egyptian body lice, DDT resistance in, 922
—— village children, the incidence of *Shigella* organisms in a group of, 294
—— villages, a comparison of helminthic and protozoan infections in two, two years after the installation of sanitary improvements in one of them, 59
EJERCITO, A., HESS, A. D., and WILLARD, A., The six-year Philippine-American malaria control program, 971
EL BAZ, IBRAHIM, *see* NOR EL DIN, GAMAL, 326
ELBEL, R. E., *see* TRAUB, R. *et al.*, 356
ELIAKIM, M., *see* DAVIES, A. M. *et al.*, 728
Encephalitis in Kern County, California, studies on avian malaria in vectors and hosts of. I. Infections in avian hosts, 676
——. II. Infections in mosquito vectors, 696
——. III. The comparative vector ability of some of the local culicine mosquitos, 704
Encephalitis, Murray Valley: a survey of suspected mosquito vectors, 147
Encephalomyelitis, Eastern equine, in Wisconsin, 54
—— virus, Venezuelan equine; human epidemic in Colombia caused by, 283
Endamoeba histolytica and single species of bacteria, symbiosis in cultures of, 839
—— —— and *Trichuris trichiura*, the role of, in bloody diarrhea of children in Puerto Rico, 985
—— ——, an investigation into hyaluroni-

Endamoeba histolytica—Continued
dase as a factor in the mechanism of tissue invasion by, 1
—— ——, effects of growth *in vitro* with selected microbial associates, and of encystation and excystation on the virulence of, for guinea pigs, 621
—— ——, epidemiological study of, and other intestinal parasites in the New Hope community of Tennessee, 266
—— ——, the effect of cold temperatures on the viability of cysts of, 276
—— ——, the prevalance of, and other intestinal parasites in a selected urban area, 988
—— ——, the relation of the number of cysts in the stool inoculum to the incidence of positive cultures of, 995
Eosinophile levels and their relation to intestinal helminthiasis in the labor force. Problems in tropical public health among workers at a jute mill near Calcutta. V., 348
EYLES, D. E., and JONES, F. E., The prevalence of *Endamoeba histolytica* and other intestinal parasites in a selected urban area, 988
——, *see* JEFFERY, G. M., 219
——, *see* JEFFERY, G. M. *et al.*, 821
——, *see* JONES, FRANCES E. *et al.*, 266

F

FERRIS, D., *see* HANSON, R. P. *et al.*, 54
Filaria infection, experimental; suggestions concerning an index of in mosquitoes, 329
Filariasis, human, in the Marquesas Islands, 742
FISH, C. H., *see* ANDERSON, H. H. *et al.*, 254
FLOYD, T. M., The incidence of *Shigella* organisms in a group of Egyptian village children, 294
—— and JONES, G. B., Isolation of *Shigella* and *Salmonella* organisms from Nile fish, 475
Fly production, privies as a source of, in an urban area, 930
——, urban, dispersion studies with special reference to movement pattern of *Musca domestica*, 539
FONTAINE, R. E., GRAY, H. F., and AARONS, T., Malaria control at Lake Vera, California, in 1952-53, 789
FONZARI, M., *see* VIEIRA, J. P. *et al.*, 868
FREITAS, J. L. P. DE, *see* ALMEIDA, J. O. DE *et al.*, 490
FRENCH, E. L., *see* REEVES, W. C. *et al.*, 147
FRENCH, E. M., *see* HERMAN, C. M. *et al.*, 676
French Oceania, intestinal protozoa, helminths, and bacteria in Tahiti, 440
FRIEDHEIM, E. A. H., DA SILVA, J. R., MARTINS, A. V., Treatment of schistosomiasis mansoni with antimony-a,a'-dimercapto-potassium succinate (TWSb), 714
FRITZ, R. F., *see* BRUNETTI, ROSEMARY *et al.*, 779
FROST, J. K., *see* BURROWS, R. B. *et al.*, 1033
Fumagillin and oxytetracycline in amebiasis, a comparative study of, 999

G

GABALDON, A. and BERTI, A. L., The first large area in the tropical zone to report malaria eradication: north-central Venezuela, 793
GARFINKEL, B. T., ALVAREZ, M., and OSEASOHN, R., The role of *Endamoeba histolytica* and *Trichuris trichiura* in bloody diarrhea of children in Puerto Rico, 985
GARSON, S., *see* DAUGHERTY, J. *et al.*, 511
GARTRELL, F. E. and LUDVIK, G. F., The role of insecticides in the TVA malaria control program, 817
GEIMAN, Q. M., A half century of tropical medicine, 397
Georgia, an amebiasis survey in a Veterans Administration Hospital, Chamblee, with a comparison of technics, 615
——, southern; dung beetles (Coleoptera, Scarabaeidae) and other insects in relation to human feces in a hookworm area of, 372
——, southwest, murine typhus fever in, January 1945–January 1953, 883
Giardiasis, comparative study of chloroquine and amodiaquin in the treatment of, 709
GIGLIOLI, G. and CHARLES, L. J., Reappearance of *Anopheles darlingi* in a

controlled area of British Guiana's coastlands, 808
GOLDMAN, L., *see* VIEIRA, J. P. *et al.*, 868
GRAY, H. E., *see* FONTAINE, R. E. *et al.*, 789
GREENBERG, J., COATNEY, G. R., TREMBLEY, HELEN L., Relationship between time of administration, dose, and prophylactic activity of pyrimethamine on sporozoite-induced *Plasmodium gallinaceum* infections, 672
——, TREMBLEY, HELEN L., COATNEY, G. R., The effect of pyrimethamine on the BI strain of *Plasmodium gallinaceum*, 665
GROOT, H., *see* SANMARTIN-BARBERI, C. *et al.*, 283
GROSSMAN, E. B., *see* MOST, H. *et al.*, 262
GUINN, ELIZABETH, *see* MYATT, A. V. *et al.*, 981
GUMBLE, A., *see* HEWITT, R. I. *et al.*, 225
GUSTAFSON, P. V., AGAR, H. D., and CRAMER, D. I., An electron microscope study of *Toxoplasma*, 1008

H

HALLMAN, FRANCES A., *see* DELAMATER, J. N. *et al.*, 1
HALPERN, B. and DOLKART, R. E., The effect of cold temperatures on the viability of cysts of *Endamoeba histolytica*, 276
HAMILTON, P. K., and TAYLOR, R. M., Report of clinical case of West Nile virus infection probably acquired in the laboratory, 51
HAMMON, W. McD., *see* HERMAN, C. M. *et al.*, 676
——, *see* REEVES, W. C. *et al.*, 696
HANSON, R. P., SCOTT, G. R., FERRIS, D., and UPTON, ELIZABETH, Eastern equine encephalomyelitis in Wisconsin, 54
Helminthiasis, intestinal. Problems in tropical public health among workers at a jute mill near Calcutta. V. Eosinophile levels and their relation to, in the labor force, 348
Helminthic and protozoan infections, a comparison of, in two Egyptian villages two years after the installation of sanitary improvements in one of them, 59
Helminths, intestinal protozoa, and bacteria in Tahiti, French Oceania, 440
Hemoglobin values and their relation to the intensity of hookworm infections in the labor force. Problems in tropical public health among workers at a jute mill near Calcutta. IV., 338
Hemorrhagic fever. I. Epidemiology, 587
——. II. Prevention, 601
HENDRICKS, J. R., *see* VAUGHN, C. M. *et al.*, 518
HERMAN, C. M., REEVES, W. C., McCLURE, H. E., FRENCH, E. M., HAMMON, W. McD., Studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. I. Infections in avian hosts, 676
HERNANDEZ, T., *see* MYATT, A. V. *et al.*, 981
HEROLD, R. C., *see* REEVES, W. C. *et al.*, 696
HESS, A. D., *see* EJERCITO, A. *et al.*, 971
HEWITT, R. I., WALLACE, W. S., GUMBLE, A., WHITE, E., and WILLIAMS, J. H., Antimalarial activity of dihydrotriazines, 225
Hexylresorcinol tablet, use of, in the enema treatment of whipworm infection, 918
HEYNEMAN, D., *see* DAUGHERTY, J. *et al.*, 511
HINES, VIRGINIA D., *see* STEWART, W. H., 883
HIRSCHBOECK, SISTER MARY M., The use of chloramphenicol in relapsing fever, 712
Histoplasma capsulatum, occurrence of, and other human pathogenic molds in Panamanian soil, 897
Histoplasmin sensitivity, a theory to explain the geographic variations in the prevalence of, 1057
—— —— in American Samoa, 1055
HOEKENGA, M. T., Experiments in the therapy of human ascariasis, 755
——, The treatment of acute malaria with single oral doses of amodiaquin, chloroquine, hydroxychloroquine and pyrimethamine, 833
—— and BATTERTON, DOROTHY L., Trial of diallyl-diethylaminoethyl phenol dihydrochloride (Camoform) in human amebiasis, 849
HOLLISTER, A. C., JR., *see* BRUNETTI, ROSEMARY *et al.*, 779

Hookworm infection, the effect of treatment and sanitation on, in Cholburi Province (Central Thailand), 764
—— infections in the labor force. Problems in tropical public health among workers at a jute mill near Calcutta. IV. Hemoglobin values and their relation to the intensity of, 338
HORSTMAN, H. A., JR., CHAFFEE, E. F., and BAUMAN, P. M., Schistosomiasis mansoni in Puerto Rican soldiers, 914
HRENOFF, A. K., *see* ANDERSON, H. H. *et al.*, 254
HURLBUT, H. S., PEFFLY, R. L., and SALAH, A. A., DDT resistance in Egyptian body lice, 922
HUSSEY, K. L., *see* BROWN, H. W. *et al.*, 504
Hyaluronidase, an investigation into, as a factor in the mechanism of tissue invasion by *Endamoeba histolytica*, 1
Hydatid disease, investigations on eggs of helminths, with special reference to the epidemiology of, 762
Hydrocortisone, antihistamine, ACTH, cortisone, and anesthetics in snake bite, 1083
Hydroxychloroquine, chloroquine, amodiaquin and pyrimethamine, the treatment of acute malaria with single oral doses of, 833

I

Immunity, passive; factors affecting, in blood-induced *Lophurae* malaria of the chicken, 232
Insecticides, disinsectization of aircraft by residual deposits of, 191
——, the role of, in the TVA malaria control program, 817
Intestinal parasites, a study of, in the labor force. Problems in tropical public health among workers at a jute mill near Calcutta. II., 94
—— ——, in the European supervisory staff and their foodhandler servants. Problems in tropical public health among workers at a jute mill near Calcutta. III., 107
—— —— in food handlers returned from Korea, 131

J

JACOBS, L. and MELTON, M. L., Modifications in virulence of a strain of *Toxoplasma gondii* by passage in various hosts, 447
—— and COOK, M. KATHERINE, Variations in the dye test for toxoplasmosis, 860
JAHNKE, E. J., JR., *see* PALMER, E. D., 139
JEFFERY, G. M., The Donaldson strain of malaria. 3. The infection in the mosquito, 651
——, BURGESS, R. W., and EYLES, D. E., Susceptibility of *Anopheles quadrimaculatus* and *A. albimanus* to domestic and foreign strains of *Plasmodium vivax*, 821
——, and EYLES, D. E., The duration in the human host of infections with a Panama strain of *Plasmodium falciparum*, 219
——, YOUNG, M.D., WILCOX, AIMEE, The Donaldson strain of malaria. I. History and characteristics of the infection in man, 628
——, and YOUNG, M. D., The Donaldson strain of malaria. iv. An evaluation and status, 660
——, *see* WILCOX, AIMEE *et al.*, 638
JOHNSON, PHYLLIS T., *see* TRAUB, R. *et al.*, 356
JONES, FRANCES E., SMITH, C. S., and EYLES, D. E., Epidemiological study of *Endamoeba histolytica* and other intestinal parasites in the New Hope community of Tennessee. A restudy after 21 years, 266
——, *see* EYLES, D. E., 988
JONES, G. B., *see* FLOYD, T. M., 475
JUNG, R. C., Use of a hexylresorcinol tablet in the enema treatment of whipworm infection, 918
JUNGEBLUT, C. W. and BAUTISTA, G. JR., Antibodies against Col-SK virus in Mexican sera, 466

K

KADER, A., *see* SMITHBURN, K. C. *et al.*, 9
KARTMAN, L., Suggestions concerning an index of experimental filaria infection in mosquitoes, 329
KENT, N. E., *see* REEVES, W. C., *et al.*, 147
Kern County, California, studies on avian malaria in vectors and hosts of encephalitis in, I. Infections in avian hosts, 676
—— II. Infections in mosquito vectors, 696

—— III. The comparative vector ability of some of the local culicine mosquitoes, 704
KESSEL, J. F., PARRISH, M. and PARRISH, G., Intestinal protozoa, helminths and bacteria in Tahiti, French Oceania, 440
KILLOUGH, J. H., and MAGILL, G. B., A comparative study of fumagillin and oxytetracycline in amebiasis, 999
KLOCK, J. W., *see* PIMENTEL, D., 191
Korea, Sparganosis in, 112
——, Intestinal parasites in food handlers returned from, 131
KRUEGER, A. P., *see* RANSOM, J. P., 1040
KRAWCZYK, H. J., *see* WEINSTEIN, P. P. *et al.*, 112

L

LAMADRID-MONTEMAYOR, F., Comparative study of chloroquine and amodiaquin in the treatment of giardiasis, 709
LEEPER, C. K., *see* BURROWS, R. B. *et al.*, 1033
Leprosy or Chagas' disease, syphilis, tuberculosis in blood banks, complement fixation test with a triple antigen for, 490
Leptospirae, erythrocyte sensitizing substances from five strains of, 481
LEVINE, N. D., and MARQUARDT, W. C., A simple technic for obtaining egg and serum slants free of bubbles, 195
Lice and louse feces, survival of *Bacterium tularense* in, 179
LICHTENBERG, F. and LINDENBERG, M., Alcohol-acid-fast substance in eggs of *S. mansoni*, 1066
LINDENBERG, M., *see* LICHTENBERG, F., 1066
Lophurae malaria of the chicken, factors affecting passive immunity in blood-induced, 232
LUDVIK, G. F., *see* GARTRELL, F. E., 817

M

Macaca mulatta, chronic pneumonic plague in, 1040
MACKIE, T. T., *see* VAUGHN, C. M. *et al.*, 518
Madurella, mycetoma of the hand and arm caused by. Report of a case with a review of the literature, 303
MAGILL, G. B., *see* KILLOUGH, J. H., 999
MAIPHOOM, C., *see* SADUN, E. H. *et al.*, 764
Malaria, an outbreak of, in California, 1952–1953, 779
——, blood induced *Lophurae*, of the chicken; factors affecting passive immunity in, 232
—— control at Lake Vera, California, in 1952–53, 789
—— —— program, the role of insecticides in the TVA, 817
—— —— —— —— , the six-year Philippine-American, 971
—— eradication, the first large area in the tropical zone to report, north-central Venezuela, 793
——, inoculated *vivax*, the effect of blood group on the prepatent period of, 981
—— in the labor population. Problems in tropical public health among workers at a jute mill near Calcutta. I., 74
——, milk diet and human, 825
——, the suppressive treatment of, in a rural village with primaquine and Plaquenil, 250
——, the suppressive treatment of naturally acquired, in a rural village with pyrimethamine (Daraprim), 831
——, the treatment of acute, with single oral doses of amodiaquin, chloroquine, hydroxychloroquine and pyrimethamine, 833
Marikina geoffroyi, the marmoset, and the night monkey, *Aotus zonalis*, susceptibility of, to experimental infection with *Toxoplasma*, 1026
MARKS, E. N., *see* REEVES, W. C. *et al.*, 147
Marmoset, *Marikina geoffroyi*, and the night monkey, *Aotus zonalis*, susceptibility of, to experimental infection with *Toxoplasma*, 1026
Marquesas Islands, human filariasis in the, 742
MARSHALL, I. H., Hemorrhagic fever. I. Epidemiology, 587
——, *see* DEWS, S. C. *et al.*, 601
MARTINS, A. V., *see* FRIEDHEIM, E. A. H. *et al.*, 714
MAY, J., Cultural aspects of tropical medicine, 422
MAY, S., Economic interest in tropical medicine, 412
McCLURE, H. E., *see* HERMAN, C. M. *et al.*, 676
McCOMB, D. E., *see* CHANG, R. S.-M., 481

Mel B. (Friedheim,—Arsobal specia), 3844 R. P., the therapeutic effect on a group of sleeping sickness patients of a single injection of, 464
MELENEY, H. E., Problems in the control of schistosomiasis. Craig Lecture, 209
——, Unfinished business in tropical medicine, 434
MELTON, M. L., *see* JACOBS, L., 447
Mexican sera, antibodies against Col-SK virus in, 466
MICHAELSON, J. B., *see* DELAMATER, J. N. *et al.*, 1
MIESSE, MARIE L., *see* TRAUB, R. *et al.*, 356
MILBERG, M. B., *see* MOST, H. *et al.*, 262
Milk diet, and human malaria, 825
MILLER, A., Dung beetles (Coleoptera, Scarabaeidae) and other insects in relation to human feces in a hookworm area of southern Georgia, 373
MILLER, J., *see* MOST, H. *et al.*, 262
MILLER, M. J., A comparison of the antimalarial effects of suppressive doses of chloroquine, amodiaquin, and pyrimethamine, 458
——, Milk diet and human malaria, 825
MINTON, R., MULLER, S., and COHEN, G., Fifty years of American medicine on the Isthmus of Panama, 951
MINTON, S. A., JR., Polyvalent antivenin in the treatment of experimental snake venom poisoning, 1077
Molluscicidal activity, results of laboratory screening tests of chemical compounds for, II. Compounds of mercury, 187
Molluscicide operations in an endemic area of schistosomiasis in the Dominican Republic, 518
MOORE, ALICE E., *see* SOUTHAM, C. M., 19
MOORE, M., Myectoma of the hand and arm caused by *Madurella*. Report of a case with a review of the literature, 303
Mosquito vectors, a survey of suspected, in Murray Valley encephalitis, 147
MOST, H., VAN ASSENDELFT, F., MILLER, J., MILBERG, M. B., and GROSSMAN, E. B., Arsthinol (Balarsen). A new trivalent arsenical for the treatment of intestinal amebiasis and other intestinal protozoa, 262
MULLER, S. *see* MINTON, R. *et al.*, 951
Murine typhus fever in southwest Georiga, January 1945–January 1953, 883
Murray Valley encephalitis: a survey of suspected mosquito vectors, 147
Musca domestica, urban fly dispersion studies with special reference to movement pattern of, 539
MYATT, A. V., COATNEY, G. R., HERNANDEZ, T., and GUINN, ELIZABETH, Effect of blood group on the prepatent period of inoculated *vivax* malaria, 981
Mycetoma of the hand and arm caused by *Madurella*. Report of a case with a review of the literature, 303

N

NELSON, T. L., *see* ANDERSON, H. H. *et al.*, 254
New Hope community of Tennessee; epidemiological study of *Endamoeba histolytica* and other intestinal parasites in, 266
Night monkey, *Aotus zonalis* and the marmoset, *Marikina geoffroyi*, susceptibility of, to experimental infection with *Toxoplasma*, 1026
Nile fish, isolation of *Shigella* and *Salmonella* organisms from, 475
NOLAN, M. O., *see* BOND, H. W., 187
NOR EL DIN, GAMAL and EL BAZ, IBRAHIM, Sputum examination in the diagnosis of bilharziasis of the lungs, 326
NUÑEZ, N. A., *see* CARR, H. P. *et al.*, 495
Nutrition problems in tropical areas, 964

O

OLIVIER, L., *see* VAUGHN, C. M. *et al.* 518
OSEASOHN, R., *see* GARFINKEL, B. T. *et al.*, 985
OSORNO-MESA, E., *see* SANMARTIN-BARBERI, C. *et al.*, 283
Oxytetracycline, a comparative study of fumagillin and, in amebiasis, 999

P

PALMER, E. D., and JAHNKE, E. J., JR., Observations on portal hypertension among schistosomiasis patients with relatively insignificant complaints, 139
PAN, C., WILLIAMS, R. R., and

RITCHIE, L. S., The penetration-time for the cercariae of *Schistosoma japonicum*, 136

Panama, fifty years of American medicine on the Isthmus of, 951

——, spontaneous toxoplasmosis in the whiteface monkey, *Cebus capucinus*, in, 1023

Panamanian soil, occurrence of *Histoplasma capsulatum* and other human pathogenic molds, 897

PARRISH, G., *see* KESSEL, J. F. *et al.*, 440

PARRISH, M., *see* KESSEL, J. F. *et al.*, 440

PEERS, J. H., *see* WEINSTEIN, P. P. *et al.*, 112

PEFFLY, R. L., *see* HURLBUT, H. S. *et al.*, 922

Pemphigus, some recent studies in Brazilian, 868

PEREZ-FONTANA, V., Investigations on eggs of helminths, with special reference to the epidemiology of hydatid disease, 762

Periplaneta americana, the occurrence and movement of, within an urban sewerage system, 367

Pescadores Islands, treatment of scrub typhus in the, with chloramphenicol, aureomycin and terramycin, 608

Philippine-American, the six year, malaria control program, 971

PHILLIPS, B. P., and BARTGIS, IDA L., Effects of growth *in vitro* with selected microbial associates and of encystation and excystation, on the virulence of *Endamoeba histolytica* for guinea pigs, 621

PIMENTEL, D., and KLOCK, J. W., Disinsectization of aircraft by residual deposits of insecticides, 191

PINTO, A. R., The therapeutic effect on a group of sleeping sickness patients of a single injection of 3854 R.P. (Mel B. Friedheim—Arsobal specia), 464

Pinworm of mice, the efficacy of piperazine compounds against *Syphacia obvelata*, 504

Piperazine citrate, treatment of *Ascaris lumbricoides* infections with, 750

—— compounds, the efficacy of, against *Syphacia obvelata*, a pinworm of mice, 504

—— hydrochloride, treatment of experimental trichinosis in mice with, 746

Plague, triatominae in experimental transmission of, 890

Plaquenil, the suppressive treatment of malaria in a rural village with primaquine and, 250

Plasmodium falciparum, the duration in the human host of infections with a Panama strain of, 219

—— *gallinaceum* infections, relationship between time of administration, dose, and prophylactic activity of pyrimethamine on sporozoite-induced, 672

—— *gallinaceum*, the effect of pyrimethamine on the BI strain of, 665

—— *vivax*, susceptibility of *Anopheles quadrimaculatus* and *A. albimanus* to domestic and foreign strains of, 821

Pneumonic plague, chronic, in *Macaca mulatta*, 1040

Polynesia, morphologic variations of larvae of the *scutellaris* group of *Aedes* (Diptera, Culicidae) in, 529

Portal hypertension, observations on, among schistosomiasis patients with relatively insignificant complaints, 139

PREZYNA, A. P., TEH-LING, C., TSU-LIN, W., DOUGHERTY, W. J., BOND, H. B., Treatment of scrub typhus in the Pescadores Islands with chloramphenicol, aureomycin and terramycin, 608

PRICE, R. D., The survival of *Bacterium tularense* in lice and louse feces, 179

Primaquine and Plaquenil, the suppressive treatment of malaria in a rural village with, 250

Protozoa, intestinal amebiasis and other intestinal; Arsthinol (Balarsen). A new trivalent arsenical for the treatment of, 262

——, intestinal, helminths and bacteria in Tahiti, French Oceania, 440

Protozoan and helminthic infections, a comparison of, in two Egyptian villages two years after the installation of sanitary improvements in one of them, 59

Puerto Rican soldiers, schistosomiasis mansoni in, 914

Puerto Rico, the role of *Endamoeba histolytica* and *Trichuris trichiura* in bloody diarrhea of children in, 985

Puromycin, the effect of, on six species of *Trypanosoma* in mice, 852

Pyrimethamine, a comparison of the antimalarial effects of suppressive doses of chloroquine, amodiaquin and, 458
—— (Daraprim), the suppressive treatment of naturally acquired malaria in a rural village with, 831
——, relationship between time of administration, dose, and prophylactic activity of, on sporozoite-induced *Plasmodium gallinaceum* infections, 672
——, the effect of, on the BI strain of *Plasmodium gallinaceum*, 665
——, the treatment of acute malaria with single oral doses of amodiaquin, chloroquine, hydroxychloroquine and, 833

Q

QUAN, S. F., *see* AMES, C. T. *et al.*, 890

R

Rabies street virus strains in the Syrian hamster, 57
RANSOM, J. P. and KRUEGER, A. P., Chronic pneumonic plague in *Macaca mulatta*, 1040
REAGAN, R. L., STRAND, NINALEE, and BRUECKNER, A. L., Rabies street virus strains in the Syrian hamster, 57
REARDON, LUCY V., *see* BAERNSTEIN, H. D. *et al.*, 839
REES, C. W., *see* BAERNSTEIN, H. D. *et al.*, 839
REEVES, W. C., FRENCH, E. L., MARKS, E. N., and KENT, N. E., Murray Valley encephalitis: a survey of suspected mosquito vectors, 147
——, HEROLD, R. C., ROSEN, L., BROOKMAN, B., HAMMON, W. McD., Studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. II. Infections in mosquito vectors, 696
——, *see* HERMAN, C. M. *et al.*, 676
——, *see* ROSEN, L. *et al.*, 704
Relapsing fever, the use of chloramphenicol in, 712
Rickettsia tsutsugamushi, isolation of, from rodents from Thailand, 356
RITCHIE, L. S., *see* PAN, C. *et al.*, 136
RIZK, F., *see* SMITHBURN, K. C. *et al.*, 9
ROSEN, L., Human filariasis in the Marquesas Islands, 742
——, and REEVES, W. C., Studies on avian malaria in vectors and hosts of encephalitis in Kern County, California. III. The comparative vector ability of some of the local culicine mosquitoes, 704
—— and ROZEBOOM, L. E., Morphologic variations of larvae of the *scutellaris* group of *Aedes* (Diptera, Culicidae) in Polynesia, 529
——, ROZEBOOM, L. E., SWEET, B. H., and SABIN, A. B., The transmission of dengue by *Aedes polynesiensis*, 878
——, *see* REEVES, W. C. *et al.*, 696
ROZEBOOM, L. E., *see* ROSEN, L., 529
——, *see* ROSEN, L. *et al.*, 878
RYCKMAN, R. E., *see* AMES, C. T. *et al.*, 890

S

SABIN, A. B., *see* ROSEN, L. *et al.*, 878
SADUN, E. H., VAJRASTHIRA, S., MAIPHOOM, C., The effect of treatment and sanitation on hookworm infection in Cholburi Province (Central Thailand), 764
SALAH, A. A., *see* HURLBUT, H. S. *et al.*, 922
Salmonella organisms, isolation of *Shigella* and, from Nile fish, 475
Samoa, American, histoplasmin sensitivity in, 1055
SANMARTIN-BARBERI, C., GROOT, H., and OSORNO-MESA, E., Human epidemic in Colombia caused by the Venezuelan equine encephalomyelitis virus. 283
SARDÁ, M. E. P., *see* CARR, H. P. *et al.*, 495
Sewerage system, a municipal; studies on cockroaches in, 1092
—— ——, an urban; the occurrence and movement of *Periplaneta americana* within, 367
Schistosoma japonicum, penetration-time for the cercariae of, 136
—— *mansoni*, alcohol-acid-fast substance in eggs of, 1066
—— —— infections, the effect of, on liver function in mice. I. Amino acid oxidase and ammonia, 511
Schistosomiasis, diagnosis of, by complement-fixation, 905
—— mansoni in Puerto Rican soldiers, 914
—— ——, treatment of, with antimony-a, a'-dimercapto-potassium succinate (TWSb), 714

——, molluscicide operations in an endemic area of, in the Dominican Republic, 518
—— patients with relatively insignificant complaints, observations on portal hypertension among, 139
——, problems in the control of. Craig Lecture, 209
SCHOOF, H. F., and SIVERLY, R. E., Privies as a source of fly production in an urban area, 930
—— — ——, The occurrence and movement of *Periplaneta americana* within an urban sewerage system, 367
—— — ——, Urban fly dispersion studies with special reference to movement pattern of *Musca domestica*, 539
SCHÖTTLER, W. H. A., Antihistamine, ACTH, cortisone, hydrocortisone and anesthetics in snake bite, 1083
——, On the toxicity of scorpion venom, 172
SCHWINK, T. M., Factors affecting passive immunity in blood-induced *Lophurae* malaria of the chicken, 232
Scorpion venom, on the toxicity of, 172
SCOTT, G. R., *see* HANSON, R. P. *et al.*, 54
Scrub typhus, treatment of, in the Pescadores Islands with chloramphenicol, aureomycin and terramycin, 608
Scutellaris group of *Aedes* (Diptera, Culicidae), morphologic variations of larvae of, in Polynesia, 529
SHAPILO, J. J., *see* CHAFFEE, E. F. *et al.*, 905
Shigella and *Salmonella* organisms, isolation of, from Nile fish, 475
—— organisms, the incidence of, in a group of Egyptian village children, 294
——, — ——, 367
——, — ——, 539
——, — ——, 930
Sleeping sickness patients, the therapeutic effect of a single injection of 3844 R. P. (Mel B. Friedheim—Arsobal specia), on a group of, 464
SMITH, C. S., *see* JONES, FRANCES E. *et al.*, 266
SMITHBURN, K. C., TAYLOR, R. M., RIZK, F. and KADER, A., Immunity to certain arthropod-borne viruses among indigenous residents of Egypt, 9
Snake bite, antihistamine, ACTH, cortisone, hydrocortisone and anesthetics in, 1083
Snake-bite, a survey of 200 cases of, in Virginia, 936
Snake venom poisoning, polyvalent antivenin in the treatment of, 1077
SODEMAN, W. A., Our future? (Presidential Address), 203
SONNENBERG, B., *see* WILKS, N. E., 131
SOUTHAM, C. M., and MOORE, ALICE E., Induced virus infections in man by the Egypt isolates of West Nile virus, 19
Sparganosis in Korea, 112
SPINGARN, C. L., *see* EDELMAN, M. H., 995
Sputum examination in the diagnosis of bilharziasis of the lungs, 326
STERMAN, M. M., *see* BROWN, H. W. *et al.*, 750
STEWART, W. H. and HINES, VIRGINIA D., Murine typhus fever in southwest Georgia, January 1945–January 1953, 883
STRAND, NINALEE, *see* REAGAN, R. L. *et al.*, 57
SWEET, B. H., *see* ROSEN, L. *et al.*, 878
SWERDLOW, M. A., *see* BURROWS, R. B. *et al.*, 1033
Symbiosis in cultures of *Endamoeba histolytica* and single species of bacteria, 839
Syphacia obvelata, a pinworm of mice, the efficacy of piperazine compounds against, 504
Syphilis, tuberculosis, leprosy or Chagas' disease in blood banks, complement fixation test with a triple antigen for, 490

T

Tahiti, French Oceania, intestinal protozoa, helminths, and bacteria in, 440
TAYLOR, R. M., *see* HAMILTON, P. K., 51
——, *see* SMITHBURN, K. C. *et al.*, 9
Technic, a simple, for obtaining egg and serum slants free of bubbles, 195
TEH-LING, C., *see* PREZYNA, A. P. *et al.*, 608
Tennessee, the New Hope community of; epidemiological study of *Endamoeba histolytica* and other intestinal parasites in, 266
Terramycin, treatment of scrub typhus in the Pescadores Islands with chloramphenicol, aureomycin and, 608

Thailand, Central, the effect of treatment and sanitation on hookworm infection in Cholburi Province, 764
——, isolation of *Rickettsia tsutsugamushi* from rodents from, 356
TOBIE, ELEANOR J., The effect of Puromycin on six species of *Trypanosoma* in mice, 852
Toxoplasma, an electron microscope study of, 1008
—— *gondii*, modifications in virulence of a strain of by passage in various hosts, 447
——, susceptibility of the marmoset, *Marikina geoffroyi*, and the night monkey, *Aotus zonalis*, to experimental infection with, 1026
Toxoplasmosis, spontaneous, in the white-face monkey, *Cebus capucinus*, in Panama, 1023
——, variations in the dye test for, 860
Transactions of the American Society of Tropical Medicine and Hygiene, Second Annual meeting, Louisville, Kentucky, November 12–14, 1953, 548
TRAUB, R., JOHNSON, PHYLLIS T., MIESSE, MARIE L., and ELBEL, R. E., Isolation of *Rickettsia tsutsugamushi* from rodents from Thailand, 356
TREMBLEY, HELEN L., *see* GREENBERG, J. *et al.*, 665
——, — ——, 672
Triatominae in experimental transmission of plague, 890
Trichinosis, treatment of experimental, in mice with piperazine hydrochloride, 746
Trichuris trichiura, the role of *Endamoeba histolytica* and, in bloody diarrhea of children in Puerto Rico, 985
Tropical Medicine, global interest in (Symposium):
Economic interest in, 412
Cultural aspects of, 422
Political implications of global, 431
——, unfinished business in, 434
Trypanosoma, the effect of Puromycin on six species of, in mice, 852
Tsetse flies, notes on the biting response of, 160
TSU-LIN, W., *see* PREZYNA, A. P. *et al.*, 608
Tuberculosis, syphilis, leprosy or Chagas' disease in blood banks, complement fixation test with a triple antigen for, 490
Tularemia, natural occurrence of, in the lone star tick, *Amblyomma americanum*, and in dogs in Arkansas, 360
TVA malaria control program, the role of insecticides in the, 817
(TWSb), treatment of schistosomiasis mansoni with antimony-a,a'-dimercapto-potassium succinate, 714
Typhus, scrub, treatment of, in the Pescadores Islands with chloramphenicol, aureomycin and terramycin, 608

U

Uncinariasis, anthelmintic treatment of, 495
UPTON, ELIZABETH, *see* HANSON, R. P. *et al.*, 54

V

VAJRASTHIRA, S., *see* SADUN, E. H. *et al.*, 764
VAN ASSENDELFT, F., *see* MOST, H. *et al.*, 262
VAUGHN, C. M., OLIVIER, L., HENDRICKS, J. R., and MACKIE, T. T., Molluscicide operations in an endemic area of schistosomiasis in the Dominican Republic, 518
Venezuela, north-central; the first large area in the tropical zone to report malaria eradication, 793
Venezuelan equine encephalomyelitis virus; human epidemic in Colombia caused by, 283
Veterans Administration Hospital, Chamblee, Georgia, an amebiasis survey with a comparison of technics, 615
VIEIRA, J. P., FONZARI, M., and GOLDMAN, L., Some recent studies in Brazilian pemphigus, 868
Virginia, a survey of 200 cases of snake-bite in, 936
Virus infections, induced in man by the Egypt isolates of West Nile virus, 19
——, West Nile, report of clinical case of infection probably acquired in the laboratory, 51
Viruses, immunity to certain arthropod-borne, among indigenous residents of Egypt, 9
Vivax malaria, the effect of blood group on the prepatent period of inoculated, 981
VONZUBEN, F. J., see EADS, R. B. *et al.*, 1092

W

WALKER, O. L., *see* EADS, R. B. *et al.*, 1092
WALLACE, W. S., *see* HEWITT, R. I. *et al.*, 225
WEINSTEIN, P. P., KRAWCZYK, H. J., and PEERS, J. H., Sparganosis in Korea, 112
West Nile virus, induced virus infections in man by the Egypt isolates of, 19
—— —— —— infection, report of clinical case of, probably acquired in the laboratory, 51
Whipworm infection, use of a hexylresorcinol tablet in the enema treatment of, 918
WHITE, E., *see* HEWITT, R. I. *et al.*, 225
Whiteface monkey, *Cebus capucinus*, spontaneous toxoplasmosis in, in Panama, 1023
WILCOX, AIMEE, JEFFERY, G. M., YOUNG, M. D., The Donaldson strain of malaria. II. morphology of the erythrocytic parasites, 638
——, *see* JEFFERY, G. M. *et al.*, 628
WILKS, N. E., and SONNENBERG, B., Intestinal parasites in food handlers returned from Korea, 131
WILLARD, A., *see* EJERCITO, A. *et al.*, 971
WILLIAMS, R. R., *see* PAN, C. *et al.*, 136
WILLIAMS, J. H., *see* HEWITT, R. I. *et al.*, 225
Wisconsin, Eastern equine encephalomyelitis in, 54
WOOD, J. T., A survey of 200 cases of snakebite in Virginia, 936

Y

YOUNG, M. D., *see* JEFFERY, G. M. *et al.*, 628
——, — ——, 660
——, *see* WILCOX, AIMEE, *et al.*, 638

Z

ZEIDBERG, L. D., A theory to explain the geographic variations in the prevalence of histoplasmin sensitivity, 1057